



Lawrence Livermore National Laboratory Beryllium Medical Surveillance Program

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Implementation overview



- **Exposure assessments**
- **Communications Campaign**
- **Worker briefings**
- **Medical surveillance challenges**
- **Recommendations for repeat surveillance**

Challenges in exposure assessment



- **Hazardous waste workers**
- **Custodial workers**
- **Maintenance personnel**
- **Former Be workers**

How common are/were transient exposures?

Occupational exposure questionnaires



- **Mailed out to 900+ potentially exposed employees**
- **Used to prioritize employees for LPT testing priority**

**This information will serve as a valuable
exposure archive
for future epidemiologic applications**

Challenges in communication



- **Kickoff letter**
- **Newsline article**
- **Web page**
- **Worker briefings**

**Biggest challenge is
communicating priority for LPT
testing**

Medical surveillance challenges



- **Use of Neopterin levels as a diagnostic aid**
- **Prioritization list is a moving target**
- **Bronchoscopy vs exercise pulmonary testing**

Collaborative research project with LANL



- **Improved LPT methods**
- **Genetic susceptibility to CBD**

Recommendations for future surveillance



- **Recommendations for repeat LPT testing**
- **Recommendations for Priority Groups 2 and 3**

Prevalence data for Be sensitization will determine future program directions

Potential future projects



- **Retiree outreach?**
- **Epidemiology - cohort study of workers with well characterized “low” exposures**